

WHAT IS CLAIMED IS:

- 1 1. A display system for a handheld computing device, the
2 display system comprising:
3 a visual display having a communications transceiver;
4 a processing unit having a communications transceiver and
5 sending display data to the transceiver of the visual display;
6 a first power source for the processing unit; and
7 a second power source for the visual display, wherein the
8 visual display is physically separable from the processing unit while
9 displaying information according to communications from the processing
10 unit between the visual display transceiver and the processing unit
11 transceiver.
- 1 2. The display system of claim 1, wherein the visual display
2 includes random access memory (RAM) and a processing unit (CPU).
- 1 3. The display system of claim 2, wherein the visual display
2 CPU receives information over the wireless connection from the handheld
3 computing device and stores the information in the visual display RAM.
- 1 4. The display system of claim 3, where the information
2 communicated from the processing unit to the visual display includes
3 information necessary to display the current display image and
4 information related to the current display image.
- 1 5. The display system of claim 4, wherein the information
2 communicated from the processing unit to the visual display is web pages
3 that have links in the current display.

1 6. The display system of claim 4, wherein the information
2 communicated from the processing unit to the visual display is the
3 contents of a drop down menu provided in the current display.

1 7. The display system of claim 4, wherein the information
2 communicated from the processing unit to the visual display include
3 images associated with thumbnail images displayed in the current display.

1 8. The display system of claim 2, wherein the visual display
2 includes a display screen having input capabilities.

1 9. The display system of claim 1, wherein the visual display
2 includes display screen that is flexible.

1 10. The display system of claim 1, wherein the visual display
2 includes a display screen that is expandable.

1 11. The display system of claim 10, wherein the display system
2 includes display drivers capable of updating screen resolution and screen
3 display size based upon the current expansion of the display screen.

1 12. The display system of claim 1, wherein the communications
2 transceivers send and receive information using a custom wireless
3 communication protocol.

1 13. The display system of claim 1, wherein the display system
2 includes an alternative communication system to optionally provide wired
3 communication between the display system and the handheld computing
4 device.

1 14. A handheld computing device comprising:
2 a detachable display system including a wireless transceiver;
3 a processor;
4 a wireless transceiver coupled to the processor and
5 communicating with the display system transceiver; and
6 an information storage system.

1 15. The handheld computing device of claim 14, wherein the
2 display system includes a flexible screen display.

1 16. The handheld computing device of claim 14, further
2 comprising:
3 a first power source associated with powering the processor;
4 and
5 a second power source associated with powering the
6 detachable display system.

1 17. The handheld computing device of claim 16, wherein the
2 second power source is lighter in weight than the first power source.

1 18. The handheld computing device of claim 14, wherein the
2 display system includes Random Access Memory (RAM) memory.

1 19. The handheld computing device of claim 18, wherein the
2 transceiver transmits information related to current display screen
3 information to the display system to store in the display system RAM
4 while the current display screen information is being viewed.

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1 20. A computing system, comprising:
2 a processing unit, the processing unit including a first
3 processor, a first transceiver coupled to the first processor, a first
4 memory coupled to the first processor, and a first power source coupled
5 to the first processor;
6 a first display unit, the first display unit including a first
7 display area, a second processor, a second transceiver coupled to the
8 second processor and communicating with the first transceiver, a second
9 memory coupled to the second processor, and a second power source
10 coupled to the second processor; and
11 a second display unit, the second display unit including a
12 second display area, a third processor, a third transceiver coupled to the
13 third processor and configured for communications with the first
14 transceiver, and a third power source coupled to the third processor;
15 wherein the first display unit and the second display unit may
16 be interchangeably used with the processing unit.

1 21. The computer system of claim 20, wherein the processing
2 unit is a handheld computing device.

1 22. The computer system of claim 20, wherein the first display
2 unit requires a second power source that is lighter weight than the third
3 power source.

1 23. The computer system of claim 20, wherein the first display
2 unit is a ruggedized display unit.

1 24. The computer system of claim 20, wherein the first display
2 area is a high resolution display and the second display area is a lower
3 resolution display area.

1 25. The computer system of claim 20, wherein the first display
2 unit is a non-flexible display unit and the second display unit is at least
3 one of a flexible display unit and a foldable display unit.

1 26. A method of displaying data from a handheld computing
2 device on a detached visual display unit, the method comprising:
3 wirelessly communicating primary images to the visual
4 display unit;
5 displaying primary images on a visual display of the visual
6 display unit while loading secondary images into a visual display unit
7 memory; and
8 allowing a user of the handheld computing device to access
9 secondary images.

1 27. The method of claim 26, wherein the primary images
2 provides links to the secondary images to facilitate access.

1 28. The method of claim 27, wherein the links are hyperlinks.

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